

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

KEANE WONDER MINE

HAER CA-291

Death Valley National Park

Park Route 4 (Daylight Pass Cutoff)

Death Valley Junction

Inyo County

California

INDEX TO BLACK AND WHITE PHOTOGRAPHS

Gianfranco Archimede, photographer, July 2000

- | | |
|----------|---|
| CA-291-1 | OVERVIEW OF LOWER TRAM TERMINAL AND RELATIONSHIP TO WATER TANK, LOOKING NORTH FROM MAIN ACCESS ROAD. THIS IS HOW THE TERMINAL AND MILL SITE FIRST APPEAR TO VISITORS WHEN APPROACHING FROM THE ROAD FROM THE SITE'S PARKING LOT. THIS IS CONSIDERED THE FRONT END OF THE TERMINAL. ORIGINALLY THERE WAS A SECOND WATER TANK NEAR THE ONE IN UPPER LEFT. |
| CA-291-2 | OVERVIEW OF LOWER TRAM TERMINAL AND STAMP MILL SITE, LOOKING NORTHWEST. THE AERIAL TRAMWAY BEGINS AT THE TERMINAL AND CONTINUES NORTH TO THE UPPER RIGHT. THE FIRST SUPPORT TOWER CAN BE SEEN. JUST BELOW THE WATER TANK IS A LOADING PLATFORM AND TRAM TRESTLE USED FOR THE TRANSPORT OF SUPPLIES THAT LEAD UP TO THE TRAM TERMINAL. ALL THREE LEVELS OF THE FORMER 20 STAMP MILL CAN BE SEEN AT CENTER. SEE CA-291-46 (CT) FOR IDENTICAL COLOR TRANSPARENCY. |
| CA-291-3 | OVERVIEW OF LOWER TRAM TERMINAL AND STAMP MILL SITE, LOOKING NORTHWEST. A WATER SHAFT IS COVERED WITH A PROTECTIVE NET IN THE LOWER RIGHT. |

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-4 OVERVIEW OF STAMP MILL SITE,LOOKING SOUTHWEST. THE LOWER TRAM TERMINAL IS OUT OF FRAME, JUST TO THE RIGHT. WATER TANK, LOADING PLATFORM, AND TRAM TRESTLE LEADING UP TO THE TRAM TERMINAL ARE AT RIGHT. THE STRUCTURE AT EXTREME RIGHT BELOW THE TRESTLE, ARE REMAINS OF A SECONDARY ORE BIN, WITH BALL MILL FOUNDATIONS AND WOOD DEBRIS JUST BELOW ON THE SECOND LEVEL. AT CENTER IS A BOILER AND THE FRAME WORK OF A FILTER PRESS. THE SMALL STRUCTURE AT CENTER LEFT IS AN INTERPRETIVE SIGN PLACED BY THE PARK SERVICE. AT LOWER LEFT, THIRD LEVEL OF THE MILL, ARE THE REMAINS OF A BLACKSMITH'S FORGE.
- CA-291-5 DETAIL VIEW OF FILTER PRESS REMAINS, BOILER, SECONDARY ORE BIN, TRAM TRESTLE AND WATER TANK, LOOKING NORTHWEST. HIS VIEW IS TAKEN FROM THE THIRD LEVEL OF THE MILL, NEARBY THE BLACKSMITH'S FORGE.
- CA-291-6 EAST ELEVATION OF LOWER TRAM TERMINAL, LOOKING NORTHWEST. TRAM CARS ENTERED AND EXITED FROM RIGHT,AND DUMPED INTO THE ORE BIN SEEN AT LOWER LEFT. BELOW THE ORE BIN IS A JAW CRUSHER FOUNDATION. THE WOODEN BOX AT CENTER IS FILLED WITH ROCKS, PROVIDING THE COUNTERWEIGHT TO THE TRAMWAY CABLE, WHICH KEEPS IT TAUGHT.
- CA-291-7 EAST ELEVATION OF LOWER TRAM TERMINAL WITH SIX FOOT SCALE, LOOKING NORTHWEST. THE SCALE IS LOCATED AT CENTER RIGHT, AGAINST THE SECOND SUPPORT TIMBER FROM THE RIGHT.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-8 OBLIQUE DETAIL VIEW OF LOWER TRAM TERMINAL, LOOKING NORTHWEST. THE JAW CRUSHER FOUNDATION CAN BE CLEARLY SEEN AT CENTER LEFT WITH A CONVEYOR TO CARRY CRUSHED ORE UP TO THE SECONDARY ORE BIN, LEFT.
- CA-291-9 DETAIL VIEW OF LOWER TRAM TERMINAL, SECONDARY ORE BIN, CRUSHER FOUNDATION, AND BALL MILL FOUNDATIONS, LOOKING NORTH NORTHWEST. ORE FROM THE MINES WAS DUMPED FROM THE TRAM BUCKETS INTO THE PRIMARY ORE BIN UNDER THE TRAM TERMINAL. A SLIDING CONTROL DOOR INTRODUCED THE INTO THE JAW CRUSHER (FOUNDATIONS, CENTER). THE CRUSHED ORE WAS THEN CONVEYED INTO THE SECONDARY ORE BIN AT CENTER LEFT. A HOLE IN THE FLOOR OF THE ORE BIN PASSED ORE ONTO ANOTHER CONVEYOR THAT BROUGHT IT OUT TO THE BALL MILL (FOUNDATIONS, CENTER BOTTOM). THIS SYSTEM IS MOST LIKELY NOT THE ORIGINAL SET UP, PROBABLY INSTALLED IN THE MINE'S LAST OCCUPATION IN THE EARLY 1940s.
- CA-291-10 DETAIL VIEW OF AERIAL TRAM CABLE COUNTERWEIGHT SYSTEM, LOOKING DOWN THROUGH THE LOWER TERMINAL FLOOR. TWO SUSPENDED ROCK FILLED WOODEN BOXES CAN BE SEEN AT BOTTOM. THE METAL FRAMEWORK WAS INSTALLED BY THE PARK SERVICE DURING THE AERIAL TRAM'S STABILIZATION IN THE 1983.
- CA-291-11 DETAIL VIEW OF TRAM BUCKET AUTOMATIC LOCKING MECHANISM ON LOWER TRAM TERMINAL, LOOKING WEST. AS EMPTY BUCKETS PASSED THROUGH THIS MECHANISM, A LEVER ON THE BUCKET WAS ACTIVATED THAT LOCKED THE BUCKET TO THE MOVING CABLE, CARRYING IT ALONG BACK UP TO THE MINES.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

CA-291-12	DETAIL VIEW OF LOWER TRAM TERMINAL STRUCTURE SAT DECK LEVEL,LOOKING NORTH NORTHWEST.
CA-291-13	DETAIL OVERHEAD VIEW OF SECONDARY ORE BIN. CONVEYOR PLATFORM,TRAM TRESTLE, AND LOADING PLATFORM. LOOKING SOUTHWEST. THE HOLE IN THE ORE BIN FLOOR CAN BE SEEN, AND BALL MILL FOUNDATION AT LOWER LEFT CORNER. SEE CA-291-47 (CT) FOR IDENTICAL COLOR TRANSPARENCY.
CA-291-14	DETAIL OVERHEAD VIEW OF SECONDARY ORE BIN, CONVEYOR PLATFORM,TRAM TRESTLE, LOADING PLATFORM, AND BOILER, LOOKING SOUTHEAST.
CA-291-15	DETAIL VIEW OF ENTRY/EXIT POINT OF TRAM BUCKETS ON THE LOWER TRAM TERMINAL, LOOKING SOUTHWEST. THE CABLE CARRYING EMPTY BUCKETS AT TOP RIGHT IS THINNER IN DIAMETER THAN THE CABLE CARRYING LOADED BUCKETS ON THE TOP CENTER.
CA-291-16	DETAIL OVERHEAD VIEW OF LOWER TRAM TERMINAL. FIRST SUPPORT TOWER AND MILL SITE.
CA-291-17	DETAIL VIEW OF AERIAL TRAM SUPPORT TOWER TWO, WITH TOWERS THREE,FOUR, FIVE AND SIX IN DISTANCE, LOOKING NORTHEAST.
CA-291-18	DETAIL VIEW OF AERIAL TRAM SUPPORT TOWERS THREE AND FOUR, LOOKING NORTHWEST.
CA-291-19	DETAIL VIEW OF AERIAL TRAM SUPPORT TOWERS THREE AND FOUR WITH TOWERS FIVE AND SIX IN THE DISTANCE, LOOKING NORTHEAST. THE TWO INTACT CABLES RUNNING ALONG TOP OF THE TOWERS ARE FIXED. WHILE THE MOVING CABLE IS LYING SLACK ON THE GROUND.
CA-291-20	DETAIL VIEW OF AERIAL TRAM SUPPORT TOWERS FIVE AND SIX, LOOKING NORTHEAST.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-21 DETAIL VIEW OF AERIAL TRAM SUPPORT TOWER SIX WITH TOWERS SEVEN,EIGHT, NINE, TEN, AND BREAK OVER TOWER IN DISTANCE, LOOKING NORTH. TOWER SIX IS THE LAST BEFORE A DEEP CHASM, AS IS SEEN BY THE DISTANCE BETWEEN TOWERS SIX AND SEVEN. SEE CA-291-48 (CT) FOR IDENTICAL COLOR TRANSPARENCY.
- CA-291-22 OVERVIEW OF AERIAL TRAM SUPPORT TOWERS NINE, TEN, AND DEEP RAVINE,LOOKING SOUTH FROM BREAK OVER TOWER LOCATION. A SINGLE ORE BUCKET HANGS FROM THE CABLE AT CENTER. DEATH VALLEY'S FLOOR IS IN THE DISTANCE (TOP).
- CA-291-23 DETAIL VIEW OF AERIAL TRAM BREAK OVER TOWER. LOOKING NORTHWEST.
- CA-291-24 OVERVIEW OF UPPER TRAM TERMINAL, TRAM TRESTLE, AND PRIMARY ORE BIN, LOOKING NORTHEAST. REMAINS OF A BLACKSMITH'S FORGE AND WORK CAN BE SEEN JUST BELOW THE ORE BIN (SEE CA-291-32 FOR DETAIL). ROCK FOUNDATIONS LOCATED JUST ABOVE THE ORE BIN AND ALONG THE FIRST RIDGELINE ARE TENT PADS. SEE CA-291-49 (CT) FOR IDENTICAL COLOR TRANSPARENCY.
- CA-291-25 OVERVIEW OF UPPER TRAM TERMINAL, TRAM TRESTLE, AND PRIMARY ORE BIN, LOOKING NORTHEAST. REMAINS OF A PRIVY ARE LOCATED IN BOTTOM RIGHT CORNER.
- CA-291-26 OVERVIEW OF UPPER TRAM TERMINAL, TRAM TRESTLE, PRIMARY ORE BIN,OVERBURDEN PILE, AND DEBRIS SCATTER,LOOKING EAST. THE MAIN ACCESS TRAIL BETWEEN THE LOWER MILL AREA IS IN THE FOREGROUND.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-27 OVERVIEW OF UPPER TRAM TERMINAL, TRAM TRESTLE, PRIMARY ORE BIN, OVERBURDEN PILE, AND DEBRIS SCATTER, LOOKING NORTH NORTHWEST. THE MAIN ACCESS TRAIL BETWEEN THE LOWER MILL AREA GOES ACROSS THE CENTER LEFT TO RIGHT. WINCHING ENGINE AND FOUNDATION IN UPPER RIGHT CORNER (SEE CA-291-37).
- CA-291-28 EAST ELEVATION OF UPPER TRAM TERMINAL, PRIMARY ORE BIN, AND TRAM TRESTLE, LOOKING NORTHEAST. WINCHING ENGINE AND ITS FOUNDATION IS AT TOP CENTER. SEE CA-291-50 (CT) FOR IDENTICAL COLOR TRANSPARENCY.
- CA-291-29 ORE CONVEYANCE SYSTEM AND ADIT. LOOKING WEST. ORE FROM THE MINES ABOVE AT THE RIDGELINE AND TO THE RIGHT WAS CONVEYED TO THIS AREA AND DUMPED INTO THE SHAFT AT CENTER. THIS SHAFT OPENS INTO THE ADIT AT BOTTOM CENTER. THERE IS ANOTHER SHAFT OPENING INTO THE ADIT JUST ABOVE THE ADIT BEHIND THE STONE WALL. THE ORE WAS LOADED INTO TRAM CARS INSIDE THE ADIT AND CONVEYED ON TRACKS TO THE TRESTLE LEADING TO THE PRIMARY ORE BIN AT THE TRAM TERMINAL. TRACKS CAN BE SEEN LEADING FROM THE ADIT AND TO THE LEFT. THE ORE WAS THEN DUMPED INTO A CHUTE AT THE END OF THE TRESTLE CARRYING IT INTO THE ORE BIN AT THE TRAM TERMINAL (SEE CHUTE ON CA-291-30).

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-30 TOP VIEW OF UPPER TRAM TERMINAL, PRIMARY ORE BIN, AND ORE CHUTE, LOOKING SOUTHWEST. TRAM MACHINERY AND GEARS ARE AT LOWER CENTER. A SMALL ELECTRIC MOTOR AT THE REAR LEFT OF THE TERMINAL PROBABLY WAS ADDED AFTER THE ORIGINAL CONSTRUCTION. THE MOVING CABLE OF THE TRAM WAS DRIVEN BY THESE GEARS AND THE LARGE WHEEL UNDERNEATH (SEE CA-291-31 FOR DETAIL). EMPTY TRAM BUCKETS CAME IN FROM THE LEFT, SWINGING AROUND TO THE CHUTES FROM THE ORE BIN TO BE LOADED FOR THE TRIP DOWN TO THE MILL (SEE CA-291-35 FOR DETAIL). THE BREAK OVER TOWER CAN BE SEEN IN THE DISTANCE AT TOP LEFT. THE SUPPORT TOWER BETWEEN THE UPPER TERMINAL AND THE BREAK OVER TOWER IS COLLAPSED.
- CA-291-31 DETAIL TOP VIEW OF AERIAL TRAMWAY DRIVE MECHANISM, LOOKING NORTHEAST. THE FRICTION BRAKING SYSTEM CAN BE SEEN IN SHADOW ABOVE THE LARGE CABLE WHEEL BELOW.
- CA-291-32 DETAIL VIEW OF BLACKSMITH'S FORGE AND WORK AREA ON WEST SIDE OF UPPER TRAM TERMINAL, LOOKING EAST. FORGE IS IN FOREGROUND, WITH THE ANVIL BLOCK JUST TO THE RIGHT AND BEHIND IT. A TRAM CAR IS UPSIDE DOWN TO THE LEFT OF THE FORGE. THE PIPE GOING INTO THE FORGE ON THE RIGHT CARRIED COMPRESSED AIR TO BLOW THE COALS. AT CENTER RIGHT ON THE TRAM TERMINAL ARE THE OPENING AND CLOSING MECHANISMS FOR THE ORE BUCKETS. AT CENTER LEFT IS A BRAKE WHEEL. THE ANCHOR POINTS FOR THE STATIONARY TRAM CABLES ARE JUST BELOW THIS WHEEL. THE FRONT END OF THE TERMINAL IS JUST OFF FRAME ON THE RIGHT.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-33 DETAIL VIEW OF UPPER TRAM TERMINAL STRUCTURE, LOOKING SOUTH TOWARD THE FRONT OF THE STRUCTURE. THE WHEELS AT THE TOP OF THE TRAM BUCKETS RODE OFF THE STATIONARY CABLES ONTO THE TRACK SUPPORTED BY THE "C" IRONS SUSPENDED FROM THE TOP TIMBERS ON THE LEFT AND RIGHT. THE BUCKET OPENING MECHANISM IS ON THE LEFT, AND PART OF THE CLOSING MECHANISM ON THE RIGHT EDGE OF THE FRAME. THE TWO CABLES AT CENTER ARE THE STATIONARY TRAM CABLES THAT RUN ALONG THE TOP OF THE SUPPORT TOWERS ON WHICH THE WHEELS OF THE TRAM BUCKETS RODE. THEY ARE ANCHORED AT GROUND LEVEL JUST OFF FRAME TO THE LOWER LEFT.
- CA-291-34 DETAIL VIEW OF UPPER TRAM TERMINAL STRUCTURE, LOOKING NORTHEAST TOWARD THE REAR OF THE STRUCTURE. THE WHEELS AT THE TOP OF THE TRAM BUCKETS RODE OFF THE STATIONARY CABLES ONTO THE TRACK SUPPORTED BY THE "C" IRONS SUSPENDED FROM THE TOP TIMBERS, CLEARLY SEEN AT THE TOP OF THE FRAME. THE ANCHOR POINTS FOR THE TWO STATIONARY CABLES ARE AT BOTTOM CENTER, JUST BELOW THE CABLE WHEEL. THE MAIN CABLE WHEEL IS IN THE DISTANCE AT CENTER LEFT. THE ORE CHUTES COMING FROM THE ORE BIN ARE AT LEFT CENTER EDGE. TRAM BUCKETS WERE CHARGED HERE.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-35 DETAIL VIEW OF ORE CHARGING CHUTES OF THE UPPER TRAM TERMINAL, LOOKING NORTHWEST TOWARD THE REAR OF THE STRUCTURE. THE ELECTRIC DRIVE MOTOR IS IN THE BACKGROUND AT UPPER RIGHT JUST BEHIND THE DRIVE GEAR. THE BELT FROM THIS MOTOR CONNECTED TO THE WHEEL AT TOP CENTER, WHICH DROVE THE SMALLER GEAR MESHED WITH THE LARGER ONE. THERE ARE NO CONTROL DOORS FOR THESE CHUTES OTHER THAN THE METAL ONES IN THE FOREGROUND. SEE CA-291-51 (CT) FOR IDENTICAL COLOR TRANSPARENCY.
- CA-291-36 DETAIL VIEW OF TRAM BUCKET FRAME, SHOWING CLAMPING MECHANISM, WITHOUT ORE BUCKET AND WHEELS. THE FRAME IS LYING ON ITS SIDE. THE ORE BUCKET WAS ATTACHED TO THE LEFT SIDE, AND TWO WHEELS WERE ATTACHED TO THE SPINDLE ON THE RIGHT. THE FRAME AND BUCKET ARE SUSPENDED FROM THE STATIONARY CABLE BY THE TWO WHEELS, WITH THE ORE BUCKET HANGING BELOW. THE WHEEL AND LEVER AT CENTER WERE ACTIVATED BY THE OPENING AND CLOSING MECHANISMS ON THE TRAM TERMINALS TO LOCK OR RELEASE THE BUCKET ONTO THE MOVING CABLE THAT RAN THROUGH THE SQUARE BLOCK AT CENTER.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-37 DETAIL VIEW OF WINCHING ENGINE LOCATED AT THE UPPER TRAM TERMINAL LOOKING NORTHEAST. THE CABLE FROM THIS ENGINE LEADS DOWN INTO THE DEEP RAVINE IN FRONT OF THE UPPER TRAM TERMINAL. IT WAS PROBABLY USED TO DRAG MATERIALS UP TOWARD THE TERMINAL WHEN THE TERMINAL WAS BEING CONSTRUCTED, OR IN TIMES OF TRAMWAY BREAK DOWN. THE DRIVE ENGINE IS IN THE BACKGROUND. TWO LONG OPERATING LEVERS FOR THE ENGINE ARE IN THE CENTER FOREGROUND. AN EXTRA SPOOL OF CABLE IS ON THE GROUND TO THE RIGHT OF THE ENGINE. A WATER PIPELINE STRETCHES ACROSS THE SLOPE IN THE BACKGROUND, CARRYING WATER TO THE UPPER MINES. SEE CA-291-52 (CT) FOR IDENTICAL COLOR TRANSPARENCY.
- CA-291-38 OVERVIEW OF REMAINS OF DEWATERING BUILDING, LOOKING SOUTH TOWARD CYANIDE PROCESSING AREA. WATER USED IN PROCESSING AT THE STAMP MILL WAS CIRCULATED HERE FOR RECLAMATION. SANDS WERE SETTLED OUT AND DEPOSITED IN ONE OF TWO TAILINGS HOLDING AREAS. CLEARED WATER WAS PUMPED BACK TO THE MILL FOR REUSE. THIS PROCESS WAS ACCOMPLISHED BY THE USE OF SETTLING CONES, EIGHT FEET IN DIAMETER AND SIX FEET HIGH. THE REMAINS OF FOUR CONES ARE AT CENTER, BEHIND THE TANK IN THE FOREGROUND. TO THE LEFT IS THE MAIN ACCESS ROAD BETWEEN THE MILL AND THE PARKING LOT.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

CA-291-39

OVERVIEW OF CYANIDE PLANT FOUNDATIONS, ZINC BOXES, TANKS, AND TAILINGS PILES, LOOKING NORTHEAST. THE LOWER TRAM TERMINAL AND MILL SITE IS AT TOP CENTER IN THE DISTANCE. THE DARK SPOT JUST BELOW THE TRAM TERMINAL ARE REMAINS OF THE DEWATERING BUILDING. THE MAIN ACCESS ROAD IS AT UPPER LEFT. THE FOUNDATIONS AT CENTER SUPPORTED SIX 25 FT. OR GREATER DIAMETER SETTLING TANKS WHERE TAILINGS FROM THE MILL SETTLED IN A CYANIDE SOLUTION IN ORDER TO RECLAIM ANY GOLD CONTENT. THE PREGNANT SOLUTION WAS THEN RUN THROUGH THE ZINC BOXES ON THE GROUND AT CENTER RIGHT, WHERE ZINC SHAVINGS WERE INTRODUCED, CAUSING THE GOLD TO PRECIPITATE OUT OF THE CYANIDE SOLUTION, WHICH COULD BE USED AGAIN. THE FLAT AREA IN THE FOREGROUND WITH THE TANK AND TANK HOOPS IS THE FOOTPRINT OF A LARGE BUILDING WHERE THE PRECIPITATION AND FURTHER FILTERING AND FINAL CASTING TOOK PLACE.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

CA-291-40

TOP VIEW OF CYANIDE PLANT FOUNDATIONS, ZINC BOXES, TANKS, AND TAILINGS PILES, LOOKING SOUTHWEST FROM MAIN ACCESS ROAD. THE FOUNDATIONS AT CENTER SUPPORTED SIX 25 FT. OR GREATER DIAMETER SETTLING TANKS. IN THE FOREGROUND ARE REMAINS OF TWO PREPARATION TANKS AT LEFT NEXT TO A BUILDING FOOTPRINT AT RIGHT. ZINC BOXES ARE JUST ABOVE THE PREPARATION TANKS ON LEFT. THE WATER TANK AT CENTER IS NEARBY A SHAFT. THE COLLAPSED TANK JUST IN FRONT OF THE WATER TANK IS ANOTHER WATER HOLDING TANK THAT CONNECTS DIRECTLY TO THE PIPELINE THAT CARRIED WATER FROM A NEARBY SPRING A QUARTER MILE OFF TO THE RIGHT (SEE CA -291-41 FOR DETAIL). THE LEFT OF THE CENTER WATER TANK IS A LARGE TAILINGS PILE. DEATH VALLEY IS IN THE DISTANCE. SEE CA-291-53 (CT) FOR IDENTICAL COLOR TRANSPARENCY.

CA-291-41

DETAIL VIEW OF WATER TANKS AND PIPELINE TO WATER SOURCE. LOOKING NORTHWEST FROM LARGE TAILINGS PILE. THE TANK ON THE LEFT IS A WATER TANK, POSSIBLY ASSOCIATED WITH A WATER SHAFT THAT IS SEEN AS A RAISED SPOT ON THE GROUND JUST TO THE RIGHT OF IT. THE TANK ON THE RIGHT IS IN DIRECT CONNECTION WITH THE PIPELINE CARRYING WATER FROM A NEARBY SPRING IN THE DISTANCE AT CENTER. THE WATER WAS THEN PUMPED UP TO ALL PARTS OF THE MINING OPERATION, INCLUDING THE UPPER MINES ONE MILE NORTH, THE MILL, AND THE CYANIDE PLANT. THE PIPELINE ITSELF IS DISMANTLED, WITH PARTS OF IT MISSING OR SCATTERED ALONG THE GROUND, AS SEEN IN THE CENTER DISTANCE. THE SPRING IS APPROX. A QUARTER MILE DISTANT, AND IS NOT PROMINENT IN THIS PHOTOGRAPH.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

CA-291-42

DETAIL VIEW OF LOWER CYANIDE PROCESSING WORKS, LOOKING SOUTHWEST FROM LARGE TAILINGS PILE. THE REMAINS OF THREE TEN FOOT DIAMETER SETTLING TANKS ARE AT CENTER. THE SCATTER IN THE CENTER FOREGROUND IS THE REMAINS OF A LARGE RECTANGULAR HOLDING TANK POSSIBLY A SETTLING TANK. THIS AREA WAS MOST LIKELY CONSTRUCTED LATER IN THE TWENTIETH CENTURY AFTER MINING HAD CEASED AND ONLY TAILINGS WERE BEING RECLAIMED. AN EXACT DATE CANNOT BE DETERMINED HOWEVER THESE WORKS ARE DISTINCTLY DIFFERENT THAN THE ORIGINAL LAYOUT. THE SANDY AREA THAT OCCUPIES THE FOREGROUND AND THE CENTER ARE TAILINGS.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-43 OVERVIEW OF CYANIDE PLANT REMAINS, TAILINGS PILES, PARKING LOT, AND MINE MANAGER'S HOME, LOOKING SOUTH SOUTHEAST. RIGHT, TAILINGS PILES ARE AT CENTER WITH CYANIDE PLANT FOUNDATIONS TO THE LEFT OF THE PILES. PARKING LOT IS AT UPPER LEFT. THE AREA BETWEEN THE COLLAPSED TANK AT CENTER LEFT AND THE REMAINS OF THE MANAGER'S HOUSE AT LOWER RIGHT IS A TAILINGS HOLDING AREA. TAILINGS FROM THE MILL WERE HELD HERE. THE LARGE SETTLING TANKS WERE CHARGED FROM THIS HOLDING AREA BY A TRAM ON RAILS AND BY A SLUICEWAY SEEN AS THE DARK SPOT ON THE CENTER LEFT EDGE OF THE FRAME. AFTER THE TAILINGS WERE LEACHED, THEY WERE DEPOSITED ON THE LARGE WASTE PILE AT CENTER RIGHT. THE TANK AT CENTER RIGHT EDGE IS WHERE THE WATER PIPELINE ENTERED THE WORKS. A STRAIGHT LINE OF POSTS IN THE GROUND GO ACROSS THE CENTER FROM LEFT TO RIGHT, WHICH ORIGINALLY SUSPENDED THE WATER PIPELINE GOING FROM THE WATER HOLDING TANK AT RIGHT UP TO THE SECONDARY WATER TANKS ABOVE THE MILL.
- CA-291-44 DETAIL VIEW OF STEAM TRACTOR "OLD DINAH," LOOKING NORTHWEST. THIS STEAM TRACTOR WAS USED TO REPLACE THE HORSE WAGON TRAINS THAT CARRIED SUPPLIES AND CRUDE OIL THE 26 MILES FROM BEATTY, NEVADA TO KEANE WONDER. THE TRACTOR ONLY MADE ONE RUN IN 1909 BEFORE THE BOILER EXPLODED ENROUTE, AND IT WAS ABANDONED THERE ON THE TRAIL TODAY IT STANDS ON DISPLAY AT THE FURNACE CREEK RANCH IN DEATH VALLEY NATIONAL PARK, AS SEEN IN THE PHOTOGRAPH.
- CA-291-45 DETAIL VIEW OF STEAM TRACTOR "OLD DINAH," LOOKING NORTH. SEE CA-29-44 FOR FURTHER DETAILS.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

INDEX TO COLOR TRANSPARENCIES

Gianfranco Archimede, photographer, July 2000

- CA-291-46 (CT) OVERVIEW OF LOWER TRAM TERMINAL AND STAMP MILL SITE, LOOKING NORTHWEST. THE AERIAL TRAMWAY BEGINS AT THE TERMINAL AND CONTINUES NORTH TO THE UPPER RIGHT. THE FIRST SUPPORT TOWER CAN BE SEEN. JUST BELOW THE WATER TANK IS A LOADING PLATFORM AND TRAM TRESTLE USED FOR THE TRANSPORT OF SUPPLIES THAT LEAD UP TO THE TRAM TERMINAL. ALL THREE LEVELS OF THE FORMER 20 STAMP MILL CAN BE SEEN AT CENTER. SEE CA-291-02 FOR IDENTICAL B&W NEGATIVE.
- CA-291-47 (CT) DETAIL OVERHEAD VIEW OF SECONDARY ORE BIN, CONVEYOR PLATFORM TRAM TRESTLE, AND LOADING PLATFORM, LOOKING SOUTHWEST. THE HOLE IN THE ORE BIN FLOOR CAN BE SEEN, AND BALL MILL FOUNDATION AT LOWER LEFT CORNER. SEE CA-291-13 FOR IDENTICAL B&W NEGATIVE.
- CA-291-48 (CT) DETAIL VIEW OF AERIAL TRAM SUPPORT TOWER SIX WITH TOWERS SEVEN, EIGHT, NINE, TEN, AND BREAK OVER TOWER IN DISTANCE, LOOKING NORTH. TOWER SIX IS THE LAST BEFORE A DEEP CHASM, AS IS SEEN BY THE DISTANCE BETWEEN TOWERS SIX AND SEVEN. SEE CA-291-21 FOR IDENTICAL B&W NEGATIVE.
- CA-291-49 (CT) OVERVIEW OF UPPER TRAM TERMINAL, TRAM TRESTLE, AND PRIMARY ORE BIN, LOOKING NORTHEAST. REMAINS OF A BLACKSMITH'S FORGE AND WORK CAN BE SEEN JUST BELOW THE ORE BIN (SEE CA-291-32 FOR DETAIL). ROCK FOUNDATIONS LOCATED JUST ABOVE THE ORE BIN AND ALONG THE FIRST RIDGELINE ARE TENT PADS. SEE CA-291-24 FOR IDENTICAL B&W NEGATIVE.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

- CA-291-50 (CT) EAST ELEVATION OF UPPER TRAM TERMINAL, PRIMARY ORE BIN, AND TRAM TRESTLE, LOOKING NORTHEAST. WINCHING ENGINE AND ITS FOUNDATION IS AT TOP CENTER. SEE CA-291-28 FOR IDENTICAL B&W NEGATIVE.
- CA-291-51 (CT) DETAIL VIEW OF ORE CHARGING CHUTES OF THE UPPER TRAM TERMINAL, LOOKING NORTHWEST TOWARD THE REAR OF THE STRUCTURE. THE ELECTRIC DRIVE MOTOR IS IN THE BACKGROUND AT UPPER RIGHT JUST BEHIND THE DRIVE GEAR. THE BELT FROM THIS MOTOR CONNECTED TO THE WHEEL AT TOP CENTER, WHICH DROVE THE SMALLER GEAR MESHED WITH THE LARGER ONE. THERE ARE NO CONTROL DOORS FOR THESE CHUTES OTHER THAN THE METAL ONES IN THE FOREGROUND. SEE CA-291-35 FOR IDENTICAL B&W NEGATIVE.
- CA-291-52 (CT) DETAIL VIEW OF WINCHING ENGINE LOCATED AT THE UPPER TRAM TERMINAL, LOOKING NORTHEAST. THE CABLE FROM THIS ENGINE LEADS DOWN INTO THE DEEP RAVINE IN FRONT OF THE UPPER TRAM TERMINAL. IT WAS PROBABLY USED TO DRAG MATERIALS UP TOWARD THE TERMINAL WHEN THE TERMINAL WAS BEING CONSTRUCTED, OR IN TIMES OF TRAMWAY BREAKDOWN. THE DRIVE ENGINE IS IN THE BACKGROUND. TWO LONG OPERATING LEVERS FOR THE ENGINE ARE IN THE CENTER FOREGROUND. AN EXTRA SPOOL OF CABLE IS ON THE GROUND TO THE RIGHT OF THE ENGINE. A WATER PIPELINE STRETCHES ACROSS THE SLOPE IN THE BACKGROUND, CARRYING WATER TO THE UPPER MINES. SEE CA-291-37 FOR IDENTICAL B&W NEGATIVE.

KEANE WONDER MINE
HAER CA-291
INDEX TO PHOTOGRAPHS

CA-291-53 (CT)

TOP VIEW OF CYANIDE PLANT FOUNDATIONS. ZINC BOXES, TANKS, AND TAILINGS PILES, LOOKING SOUTHWEST FROM MAIN ACCESS ROAD. THE FOUNDATIONS AT CENTER SUPPORTED SIX 25 FT. OR GREATER DIAMETER SETTLING TANKS. IN THE FOREGROUND ARE REMAINS OF TWO PREPARATION TANKS AT LEFT NEXT TO A BUILDING FOOTPRINT AT RIGHT. ZINC BOXES ARE JUST ABOVE THE PREPARATION TANKS ON LEFT. THE WATER TANK AT CENTER IS NEARBY A SHAFT. THE COLLAPSED TANK JUST IN FRONT OF THE WATER TANK IS ANOTHER WATER HOLDING TANK THAT CONNECTS DIRECTLY TO THE PIPELINE THAT CARRIED WATER FROM A NEARBY SPRING A QUARTER MILE OFF TO THE RIGHT (SEE CA -291-41 FOR DETAIL). THE LEFT OF THE CENTER WATER TANK IS A LARGE TAILINGS PILE. DEATH VALLEY IS IN THE DISTANCE. SEE CA-291-40 FOR IDENTICAL B&W NEGATIVE.